

Title (en)

Genetic algorithm-based training of an ANFIS for electric energy consumption forecasting

Title (de)

Trainieren eines ANFIS mittels genetischer Algorithmen für die Prognose des elektrischen Energieverbrauches

Title (fr)

Apprentissage d'un ANFIS au moyen d'algorithmes génétiques pour la prévision de la consommation en énergie électrique

Publication

EP 2551798 A1 20130130 (EN)

Application

EP 11382260 A 20110728

Priority

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Abstract (en)

The method for predicting electric consumptions is characterized in that it comprises the following steps: - selecting input data; - pre-processing the data; - configuring the settings of an ANFIS, from an input data selection, the number of membership functions, the type of input membership functions and/or the type of output membership functions; - training of the ANFIS; and - evaluation of the ANFIS. Preferably, the ANFIS is an adaptative network based on a Takagi-Sugeno fuzzy system.

IPC 8 full level

G06N 3/04 (2006.01); **G06N 3/08** (2006.01)

CPC (source: EP)

G06N 3/043 (2023.01); **G06N 3/086** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

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